

A Policy Conversation with Zero Day Dispatch

CROWSTRIKE IMPACT IN THE GLOBAL SOUTH

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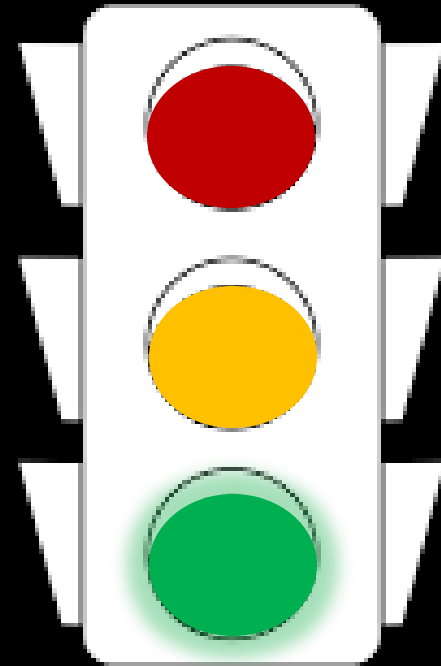
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SIGNPOST

- CROWDOUT
- WHAT HAPPENED?
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- POSSIBLE REOCCURENCE?
- INFERRING IMPACT
- POLICY WAKE-UP CALL



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CROWDSTRIKE OUTAGE – A.K.A CROWDOUT

A faulty CrowdStrike update in July 2024 caused global IT outages, **affecting 8.5 million devices**, disrupting businesses, airports, hospitals, and exposing systems to cybersecurity risks.

BBC

Home News Sport Business Innovation Culture Travel Earth Video Live

Delta Airlines hits out at CrowdStrike, alleging \$500m loss

9 August 2024

Nadine Yousif
BBC News

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DELTA

JULY 30, 2024

- 4.3 million impacted by HealthEquity data breach
- Microsoft admits CrowdStrike incident far greater than reported
- Proofpoint exploit allows for millions of fake emails

Cyber Security Headlines

BBC

Desmond Israel
Data privacy expert

Technically we call it blue screen of death.

1,249

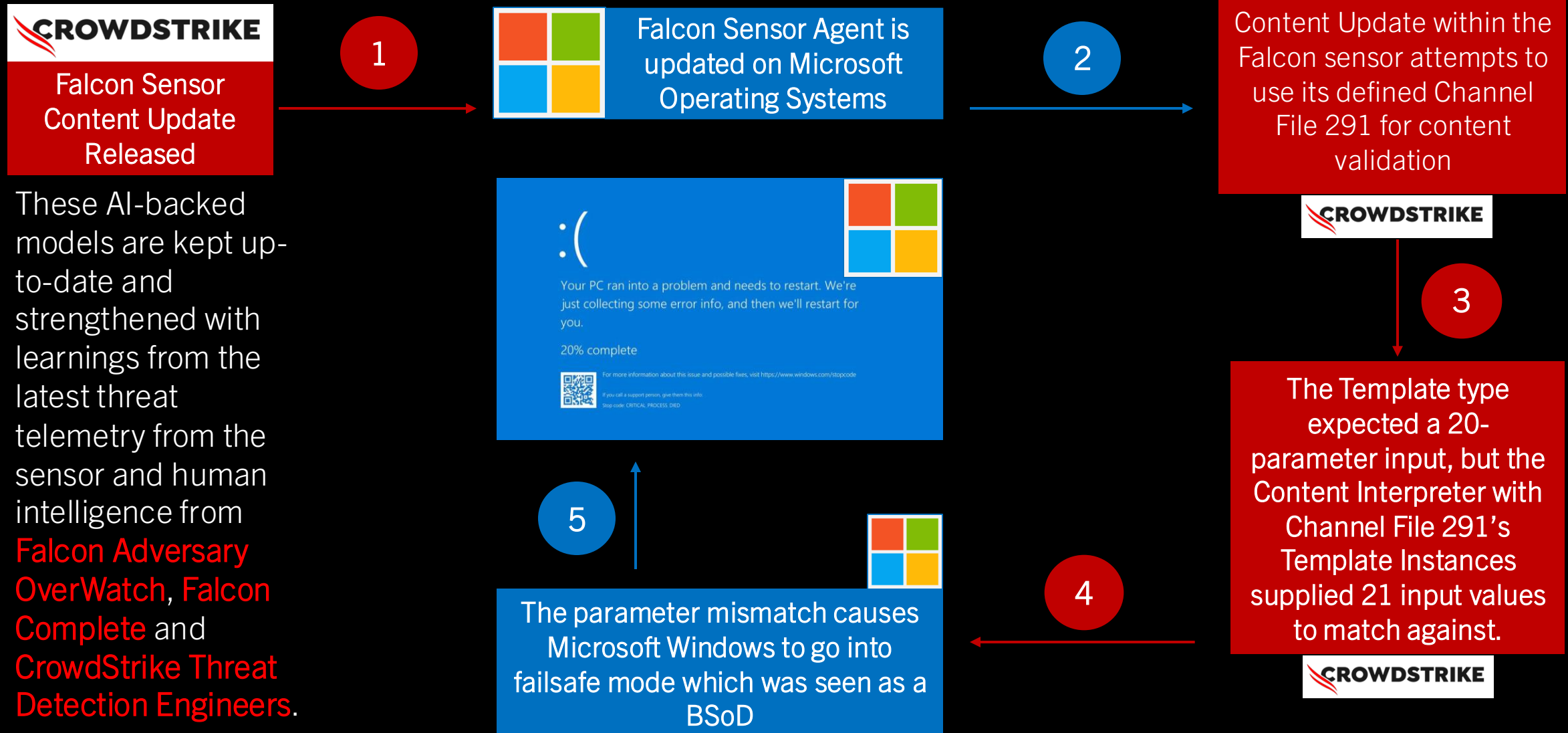
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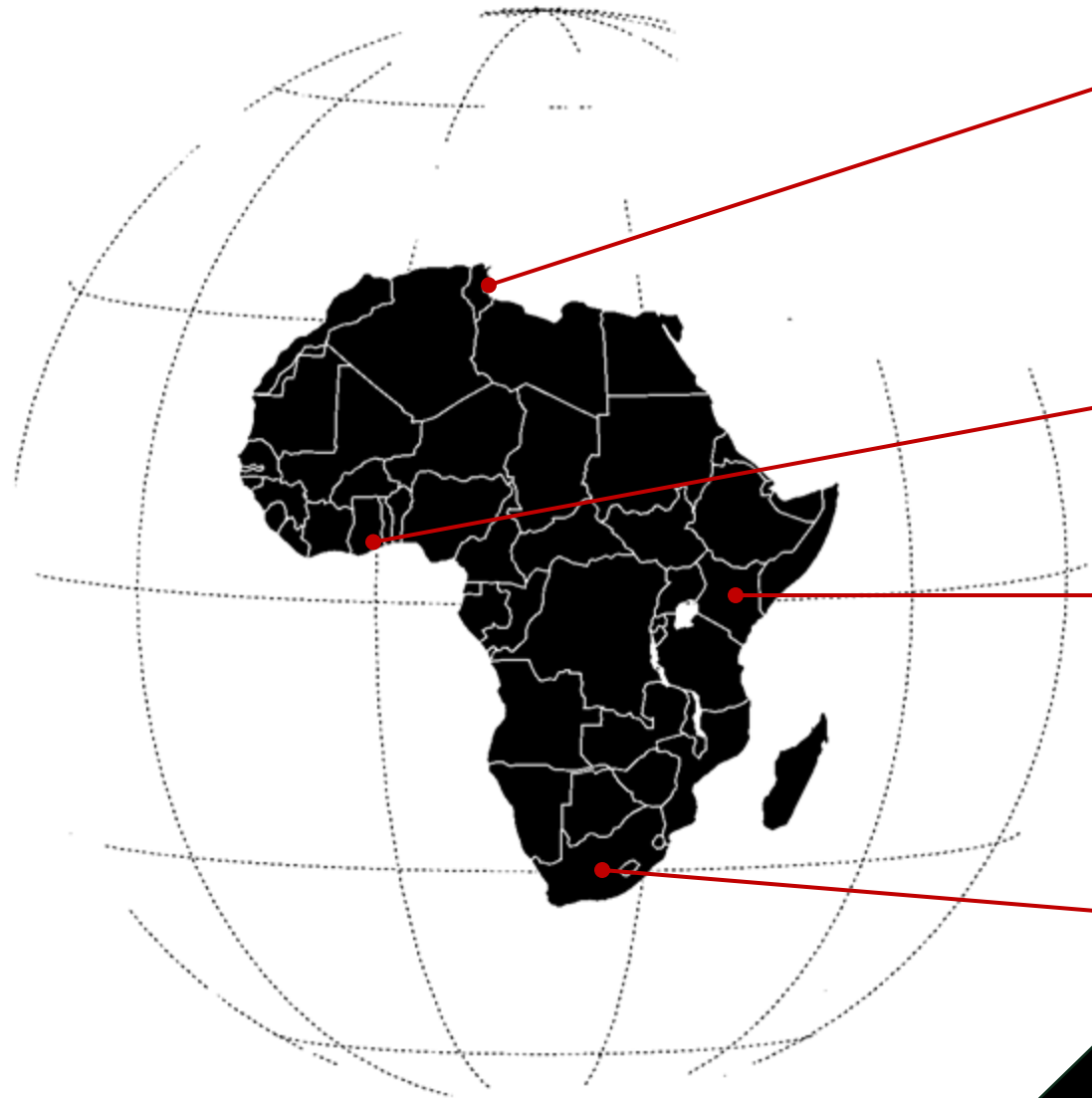
BBC NEWS bbcafrica

A massive tech failure has caused travel ...

CROWDOUT- WHAT HAPPENED?



CROWDOUT- GLOBAL SOUTH IMPACT



Tunisia

Aviation - Tunisia experienced temporary airport disruptions. check-in and payment procedures at the electronic levels were temporarily affected, thereby delaying some flights pending the normalization of the systems.

Ghana

Aviation – Airport authorities stated they do not have any impact. **IT Service:** one organisation revealed they had a temporary interruption with their cloud services.

Kenya

Aviation - Airlink booking systems recorded as going down temporarily.

South Africa

Aviation - Airport authorities reported that they do not use CrowdStrike, but airline Airlink reported that its IT network and telephone lines were down.

Banking - 2 major banks (Capitec Bank, and Absa) reported impact on ATMs, and use of bankcards.

Media – eNews Channel Africa could not broadcast

CROWDOUT- POSSIBLE REOCCURENCE?

In 2010, McAfee released a **flawed update** that mistakenly identified a critical Windows file, "svchost.exe," as a virus. This critical error crashed millions of computers and got them stuck in reboot loops.

2

4



1

A 2009 Agreement between the European Commission and Microsoft, required they give security software the **same level of access** to Windows as Microsoft itself

3

In July 2024 a **faulty CrowdStrike update** caused global IT outages, affecting 8.5 million devices, disrupting businesses, airports, hospitals, and exposing systems to cybersecurity risks.

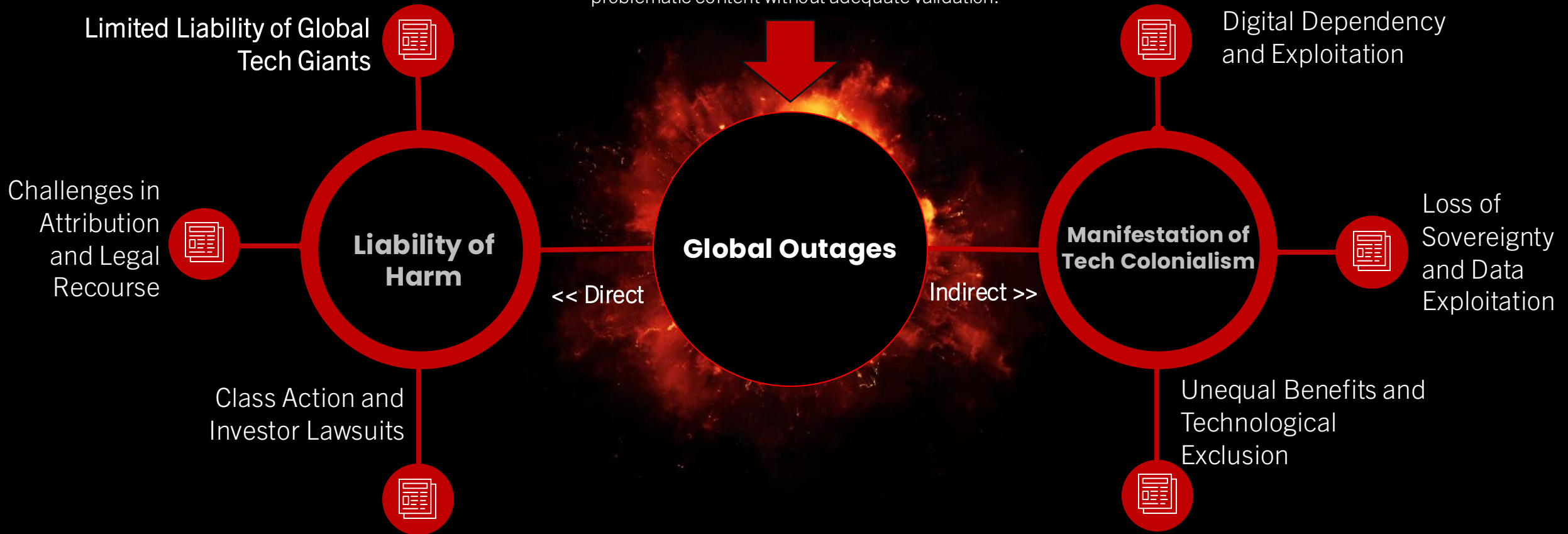
CROWDOUT- INFERRING THE IMPACT?

Software Development Lifecycle Governance

The lack of a specific test to catch the input mismatch indicates weaknesses in the SDLC processes.

Change Management Failures

The deployment of Channel File 291 containing problematic content without adequate validation.



CROWDOUT-A POLICY WAKE-UP CALL

1. OVERSIGHT



TECHNOLOGY REGULATORY GAPS

Establish regional technology task forces that collaborate with global governance bodies, ensuring that Africa's needs and risks are incorporated into international standards and best practices for emerging technologies.

2. ACCESS



UNEQUAL ACCESS TO DIGITAL INFRASTRUCTURE

International bodies such as the World Bank and the African Development Bank should collaborate with national governments to invest in building resilient local digital infrastructures. This would mitigate the effects of global outages and promote technological self-sufficiency in the region.

3. COLLABORATION



REGIONAL COLLABORATION ON TECHNOLOGY

The African Union (AU) and other regional bodies must push for collective bargaining power when negotiating with global tech companies. Establishing regional technology policy frameworks and tech standards will empower African nations to mitigate risks from foreign tech dominance.

4. INVESTMENT



INVESTMENT IN LOCAL TECHN-ECOSYSTEMS

Governments and development agencies should invest heavily in local tech talent and infrastructure, promoting African-led innovation. This would reduce reliance on external solutions and help Africa build its own robust digital infrastructure, diminishing the impacts of tech-colonialism and fostering technological self-reliance.

THANK YOU

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